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1. N152-087: Ability for Electronic Kneeboard (EKB) to Communicate and Operate in a Multi- level Security Environment

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

The Electronic Kneeboard (EKB) is currently being developed to enable access to digital publications, tactical imagery, and other dynamic data in all USN and USMC aircraft. This capability will greatly enhance aircrew situational awareness, reduce cockpit clutter, improve precision fire, and enable in-flight mission re-planning. The warfighter would greatly benefit from a mobile platform capable o ...

SBIR NavyDepartment of Defense

2. N132-100: Absorption and/or Scattering of Light by Small Particles

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Design, develop and demonstrate concepts for a material that acts as a spectral blocker, absorber and/or scatterer of light in the ultraviolet (UV) when dispersed in the atmosphere. DESCRIPTION: The purpose of this effort is to design, develop and demonstrate a material, aerosol or other form of material, that, when dispersed, evolved, sprayed, released or in any other manner deliver ...

SBIR Navy

3. N152-108: Accelerating Instructor Mastery (AIM)

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

Educators typically study for four years at a university building a solid foundation of instructional knowledge. In addition, most educators also have observed practical experience before they instruct on their own. In contrast, active duty military instructors often don’t have the benefit of any education on how to instruct. They are often recently graduated students; although their content kno ...

SBIR NavyDepartment of Defense

4. N122-108: Acoustic Array Simulation Environment System

Release Date: 04-24-2012Open Date: 05-24-2012Due Date: 06-27-2012Close Date: 06-27-2012

OBJECTIVE: Develop an acoustic array simulation system that allows for Time/Angle of Arrival analysis, testing, validation and verification of antisubmarine warfare system (ASW) sensors on fixed wing (manned and unmanned) and rotary wing aircraft. DESCRIPTION: ASW systems and sensors under development require increasing test and evaluation prior to production decision to ensure the adequacy and ...

SBIR Navy

5. OSD11-IA6: Active Software Defense to Reduce Threat Capability Effectiveness

Release Date: 07-28-2011Open Date: 08-29-2011Due Date: 09-28-2011Close Date: 09-28-2011

TECHNOLOGY AREAS: Information SystemsOBJECTIVE: Develop innovative software protection technology containing the ability to support the active defense of critical software applications.

SBIR Department of DefenseArmyNavyDefense Advanced Research Projects AgencyOffice of the Secretary of Defense

6. N141-039: Active Sonar Interference Avoidance Planning

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: Develop an innovative sonar planning tool for automating Active Sonar Interference Avoidance Planning (ASIAP) to optimize management of sonar parameters. DESCRIPTION: Currently, Navy strike groups employ multiple active sonar systems to detect threat submarines [Ref 1]. These sonar systems increasingly compete for the same frequency spectrum resulting in signal interference, which i ...

SBIR Department of DefenseNavy

7. N152-115: Active Thermal Control System Optimization

Release Date: 04-24-2015Open Date: 05-22-2015Due Date: 06-24-2015Close Date: 06-24-2015

Thermal Management is a critical requirement for future warships with electronic propulsion, weapon, and sensor systems. Innovative thermal architectures are needed to cool next-generation, high-energy density electronics which are expected to exhibit highly transient loads during pulsed operation. Two-phase cooling systems, such as vapor compression cycles, pumped cooling loops, and hybrid system ...

SBIR NavyDepartment of Defense

8. N141-041: Adaptable Standardized Modular Infrastructure for Optimal Space Utilization

Release Date: 11-20-2013Open Date: 12-20-2013Due Date: 01-22-2014Close Date: 01-22-2014

OBJECTIVE: To develop an affordable innovative standardized structure that is adaptable multiple configurations, sizes, and shapes. DESCRIPTION: Navy ships are built to stringent size constraints. Ensuring essential mission systems are accommodated is the primary objective in the design of a Navy ship. Remaining areas and space for crew accommodations have to be optimized. Efficient use of allo ...

SBIR Department of DefenseNavy

9. OSD11-CR2: Adaptive Desktop Trainer for ISR Imagery Analysis Based on Contextual Factors

Release Date: 07-28-2011Open Date: 08-29-2011Due Date: 09-28-2011Close Date: 09-28-2011

TECHNOLOGY AREAS: Information Systems, Human SystemsOBJECTIVE: Develop an adaptive desktop training device with underlying learning management system (LMS) architecture to train ISR imagery analysis for better decision making by warfighters.

SBIR Department of DefenseArmyNavyDefense Advanced Research Projects AgencyOffice of the Secretary of Defense

10. N133-148: Adaptive Diesel Engine Control

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: The objective is to reduce the volume of fuel consumed by the MTVR engine during mission operations by 15-25% over current fuel consumption while increasing the power output of the engine by 5-10% over current engine rated capability. These goals will be reached thru modification of the Caterpillar C12 or similar engine enabling full and independent control of diesel engine components ...

SBIR Department of DefenseNavy

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